

**Claims 30-31 are added as new claims.**

30. A method according to claim 15 wherein said transmission channels are telephone lines comprising copper pairs between a central office and a subscriber, characterized in that it comprises using the time domain reflectometry to test said properties.

31. An apparatus according to claim 17 wherein said transmission channels are telephone lines comprising copper pairs between a central office and a subscriber, characterized in that it comprises time domain reflectometry test circuit.